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PTO/SB/21 (09-04)

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Total Number of Pages in This Submission 353

Application Number	10/725,818
Filing Date	December 1, 2003
First Named Inventor	Robert BEACH
Art Unit	2663
Examiner Name	Unknown
Attorney Docket Number	022.0118C1 (612A)

ENCLOSURES (Check all that apply)

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Remarks

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Ingrassia Fisher & Lorenz, P.C.

Signature

Printed name

Timothy J. Lorenz

Date

10/04/06

Reg. No.

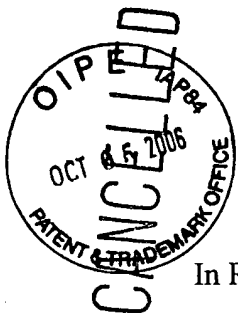
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UTILITY PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Robert Beach et al. Group Art Unit: 2663

Serial No.: 10/725,818

Examiner: Unknown

Filed: December 1, 2003

Attorney Docket No.: 022.0118C1 (612A)

For: INFRASTRUCTURE FOR WIRELESS LANS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P O Box 1450
Alexandria, VA 22313-1450

Commissioner:

In accordance with 37 C.F.R. 1.56 and in a manner prescribed by 37 C.F.R. 1.97 and 1.98, this Information Disclosure Statement (IDS) is being submitted herewith for consideration by the United States Patent and Trademark Office.

I. **CONTENT**

This IDS includes:

- ☒ A list of all patents, publications, applications, or other information submitted for consideration by the Office on PTO/SB/08A Form, which is included herewith;
- ☒ A legible copy of: (i) each foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) each cited pending U.S. application, the application specification including claims, and any drawing of the application, or that portion of the application which caused it to be listed including any claims directed to that portion; and (iv) all other information or that portion which caused it to be listed, unless subsequently provided in this IDS.

II. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

- ☒ Except as may be subsequently indicated in this section II, a concise explanation is not required as all of the patents, publications, applications or other information are in the English language.
- ☐ A concise explanation of the relevance, as it is presently understood by the individual designated in 1.56(a) most knowledgeable about the content of the information, of all patents, publications, applications or other information listed that is not in the English language.
- ☒ A copy of the translation of a non-English Language document, or portion thereof is enclosed with this IDS (e.g., a translation of an abstract).
- ☐ Any patent, publication, pending application or other information that is listed on PTO/SB/08A Form, which are not enclosed herewith were previously cited by or submitted to the Office in one of the following applications that has been relied on for an earlier effective filing date under 35 U.S.C 120 and the IDS submitted in the earlier application complies with paragraphs (a) through (c) of 1.98:

U.S. Application Serial No.	U.S. Filing Date

III. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(b): (check one box)

- ☐ Within three months of the filing date of a national application other than a continued prosecution application under 1.53(d).
- ☐ Within three months of the date of entry of the national stage as set forth in 1.491 in an international application.
- ☒ Before the mailing date of a first Office Action on the merits. In the event that a first Office Action on the merits has been mailed, please consider this IDS under 37 C.F.R. 1.97(c) and see the statement under 1.97(e) or charge deposit account 50-2091 the fee specified by 37 C.F.R. 1.17(p) if such statement is not selected in Section VI.
- ☐ Before the mailing of a first Office Action after the filing of a request for continued examination under 1.114.

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(c):

- ☐ After the period specified in 37 C.F.R. 1.97(b) and before the mailing date of any of a final action under 1.113, a notice of allowance under 1.311 or an action that otherwise closes prosecution in the application, and accompanied by:
- ☐ a statement specified in 1.97(e) as subsequently provided in this IDS; or
- ☐ the fee set forth in 1.17(p).

V. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(d):

- ☐ After the period specified in 37 C.F.R. 1.97(c) and on or before the payment of the issue fee, and it is accompanied by a statement specified in 1.97(e) as subsequently provided in this IDS and the fee set forth in 1.17(p).

VI. Statement under 37 C.F.R. 1.97(e) (check only one box)

The undersigned hereby states that:

- ☐ Each item of information contained in the IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.
- ☐ No item of information contained in the IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this IDS.

VII. Statement under 37 C.F.R. §1.704(d)

- ☐ The undersigned hereby states that each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of the information disclosure statement.

VIII. PAYMENT OF FEES (check one box)

- ☐ A check in the amount of \$ _____ is enclosed for fees due with respect to this IDS.

☐ Please charge Deposit Account No. _____ in the amount of \$_____ for the fees due with respect to this IDS. A duplicate copy of this paper is included with this IDS.

IX. CONCLUSION

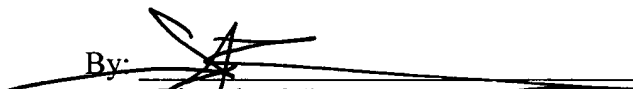
It is respectfully submitted that the claims presently on file patently distinguish the present invention from each of these references cited in this IDS. The references cited in this IDS are being cited only in the interests of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in a combination, to a person of ordinary skill in the art. Furthermore the filing of this IDS should not be construed to be an admission that the information cited in this IDS is, or is considered to be, material to patentability as defined in 1.56(b). In addition, the filing of this IDS should not be construed as a representation that a search has been made.

If the Examiner has any questions concerning these IDS, the Examiner is requested to contact the undersigned at the telephone number associated with Customer No. 29,906. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule, with a petition if necessary, and charge the appropriate fee to Deposit Account No. 50-2091.

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Respectfully submitted,

Date: 10/04/06

By: 
Timothy J. Lorenz
Reg. No. 41,954

Ingrassia Fisher & Lorenz
Customer Number 29906

Enclosures: ☒ PTO/SB/08A
☒ References
☐ Foreign Search Report
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Application Number	10/725,818
Filing Date	December 1, 2003
First Named Inventor	Robert Beach
Group Art Unit	2663
Examiner Name	
Attorney Docket Number	022.0118C1 (612A)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number				
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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
			EP0566874	SIEMENS AG	10-27-1993		
			EP0696117	IBM	02-07-1996		
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			WO 93/07684	SEXTEL SPA	04-15-1993		
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			WO 96/23377	INTERCOM INC	01-18-1996		
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			WO 04/107174	SYMBOL TECH INC	12-09-2004		
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		Proxim, Inc., White Paper, "What is a Wireless LAN"
		Shankaranarayanan N K et al. "Multiport Wireless Access System Using Fiber/Coax Networks for Personal Communications Services (PCS) and Subscriber Loop Applications," Global Telecommunications Conference 1995. Conference Record. Communication Theory Mini-Conference, Globecom '95., IEEE Singapore 13-17 Nov. 1995, New York, New York, USA, IEEE, US, 13 November 1995 (1995-11-13), pages 977-981, XP010164519.
		Rypinski, Chandos "Motivation for Centralized LAN Functions," Personal, Indoor and Mobile Radio Communications, 1992. Proceedings, PIMRC '92, Third IEEE International Symposium on Boston, MA, USA 19-21, Oct. 1992, New York, NY, USA, IEEE, US, 19 October 1992, pages 153-158, ISBN: 0-7803-0841-7

Examiner Signature		Date Considered	
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